

## Higgs -> gamma gamma branching ratio

*Tuesday, 24 April 2012 15:30 (25 minutes)*

The determination of the Higgs boson branching fractions is central to the ILC physics programme. In particular, the rare decay  $H \rightarrow \gamma\gamma$  is one of the benchmark process for the DBD. Assuming an integrated luminosity of  $250 \text{ fb}^{-1}$  with the ILD detector at  $\sqrt{s}=250 \text{ GeV}$  we present preliminary results on the estimation of the statistical uncertainty on this branching ratio.

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**Session Classification:** ACFA Physics